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(Signature of person mailing correspondence)

**Mark A. Hixon**

(Typed name of person mailing correspondence)

U.S. Patent & Trademark Office  
 19 APR 2006

In re Application of:

ANDERS AEDEGAARD and  
CHRISTOPHER HEBLING

**Group Art Unit:**

Filing Under 35 U.S.C. 371 in DO/EO/US  
off PCT/EP2004/011916 filed 21 October 2004

**Examiner:**

For: DEVICE AND METHOD FOR INCREASING  
THE CONCENTRATION OF FUEL IN A  
LIQUID FLOW SUPPLIED TO THE ANODE  
OF A FUEL CELL

Attorney Docket 1-17265

April 19, 2006

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

## INFORMATION DISCLOSURE STATEMENT

Honorable Sir:

Pursuant to Section 1.97 of Title 37 of the Code of Federal Regulations, and prior to the issuance of a first office action, record is hereby made of information the United States Patent and Trademark Office may wish to consider during examination of the above-entitled application which is being filed concurrently herewith under 35 U.S.C. 371. No representation is made or intended that a prior art search was conducted, or that no better art than that listed is available.

As this Information Disclosure Statement is being submitted prior to a first Office Action on the merits, it is respectfully submitted that no fee is required for consideration of this IDS.

The following patent documents were all mentioned in the description of the subject application, which serves as a statement of relevance for any non-English reference cited: US 5,599,638 (related to US 5,773,162 and US 6,146,787); US 3,833,016; US 127,141; US 86,193; and DE 35 08 153 A1 (corresponding to US 4,810,597).

The following patent documents were all cited in the International Search Report of the corresponding International Application:

- WO 02/14212 A1 (corresponds to US 2003/0138678);
- US 5,583,240 B1 (related to US 5,936,106); and
- Struis et al article, "A membrane reactor for methanol synthesis"; Journal of Membrane Science; May 1, 1996; pp 93-100; Vol. 113, No. 1; Elsevier Scientific Publ. Company; Amsterdam, Netherlands.

A copy of the International Search Report, which is in the English language and serves as a statement of relevance for any non-English references above, is attached hereto for the Examiner's convenience.

The following documents were cited in the basic German application DE 103 48 879, priority of which is claimed: US 6,630,266 B2 (related to US 2005/0181250); US 6,444,343 B1; and US 2003/0157385 which issued into US Patent No. 6,890,674 B2 (related to US 2005/0181250).


IAP20 Rec'd PCT/PTO 19 APR 2006

The above-noted patent documents have corresponding/related documents as follows:

US 2003/0003336 A1	corresponds to WO 03/003494 A2
US 2003/0138678 A1	corresponds to WO 02/14212 A1
US 2005/0181250 A1	related to US 6,890,674
US 4,810,597 B1	corresponds to DE 35 08 153
US 5,583,240 B1	related to US 5,936,106
US 5,599,638 B1	related to US 5,773,162 and US 6,146,787

Copies of the above-noted foreign documents are enclosed herewith, along with Form PTO/SB/08A and PTO/SB/08B. It is requested that they be fully considered and made of record in this case.

Respectfully submitted,

  
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Registration No. 44,766

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PTO/SB/08A (07-05)

Approved for use through 07/31/2006. OMB 0651-0031  
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/676375
Filing Date	10/676375
First Named Inventor	Anders Oedegaard et al
Art Unit	
Examiner Name	
Attorney Docket Number	1-17265

Sheet 1 of 2

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US- 86,193 B1	01-26-1869	Weston	
		US- 127,141 B1	05-28-1872	Barker	
		US- 2003/0003336 A1	01-02-2003	Colbow et al	corrsp. WO 03/003494
		US- 2003/0138678 A1	07-24-2003	Preidel	corrsp. WO 02/14212
		US- 2005/0181250 A1	08-18-2005	Beckmann et al	related to US 6,890,674
		US- 3,833,016 B1	09-03-1974	Lucero et al	
		US- 4,810,597 B1	03-07-1989	Hitachi Ltd.	corrsp. DE 35 08 153
		US- 5,583,240 B1	12-10-1996	Asher et al	related to US 5,936,106
		US- 5,599,638 B1	02-04-1997	Surampudi et al	related to US 5773162;6146787
		US- 5,773,162 B1	06-30-1998	Surampudi et al	related to US 5,599,638
		US- 5,936,106 B1	08-10-1999	Asher et al	related to US 5,583,240
		US- 6,146,781 B1	11-14-2000	Surampudi et al	related to US 5773162;5599638
		US- 6,444,343 B1	09-03-2002	Prakash et al	
		US- 6,630,266 B2	10-07-2003	Hockaday et al	
		US- 6,890,674 B2	05-10-2005	Beckmann et al	related to US 2005/0181250
		US-			
		US-			
		US-			
		US-			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
		DE 35 08 153 A1	09-12-1985	Hitachi Ltd.	corrsp to US4810597	
		WO 02/14212 A1	02-21-2002	Preidel	corr US2003/0138678	
		WO 03/003494 A2	01-09-2003	Colbow et al	corr US2003/0003336	<input checked="" type="checkbox"/>

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>		<b>Complete if Known</b>	
		Application Number	10/576375
		Filing Date	10/576375
		First Named Inventor	Anders Oedegaard et al
		Art Unit	
		Examiner Name	
Sheet 2 of 2	Attorney Docket Number		1-17265

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		STRUIS, R.P.W.J.; STUCKI, S.; WIEDORN, M.; A membrane reactor for methanol synthesis; Journal of Membrane Science; May 1, 1996; pp 93-100;	✓
		Vol. 113, No. 1; XP004041663; Elsevier Scientific Publishing Company; Amsterdam, Netherlands	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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